BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 10000000.00

Name of Work: Improvements to roads and drains at Ambedkar nagara, LBS Nagara and Allalasandra in ward no-04 of yelahanka new town

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3) SR 2016-17								
	for CC road at Ambedkar nagar	cum	1	440.00	3.00	0.20	264.00		
			1	120.00	3.00	0.20	72.00		
	for roc drain		2	253.00	1.20	1.00	607.20		
							943.20	**200.34**	**188961.00**
	Basic Rate	189.00							
	Area Weightage 6%	11.34							
	Grand Total	200.34							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)								
		cum	**Vide Item No. 1**				**943.20**	**106.00**	**99979.00**
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.50 X 10	32.00							
	Basic Rate	100.00							
	Area Weightage 6%	6.00							
	Grand Total	106.00							
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)/ PWD SR 2016-17								
	for CC road	**Cum**	1	440.00	3.00	0.15	198.00		
			1	120.00	3.00	0.10	36.00		
	for drains		2	253.00	1.00	0.15	75.90		
							309.90	**5159.02**	**1598780.00**
	Basic Rate	4867.00							
	Area Weightage 6%	292.02							
	Grand Total	5159.02							
4	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 156/ Item No. 19.60/ PWD SR 2016-17								
		cum	1	440.00	3.00	0.20	264.00		
							264.00	**320.12**	**84512.00**

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	302.00							
	Area Weightage 6%	18.12							
	Grand Total	320.12							
5	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, crushed stone aggregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method: Close graded granular sub-base material as per 400-1 For Grading- II Material (Page No 155., No.400-4.2 of KPWD S.R 2016-17).								
		Cum	1	440.00	3.00	0.15	198.00		
							198.00	**1665.26**	**329721.00**
	Basic Rate	1571.00							
	Area Weightage 6%	94.26							
	Grand Total	1665.26							
6	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. Pg No.265 Item No 37.59.2								
	for RCC drains	**Cum**	2	253.00	0.90	0.15	68.31		
	side walls	2x2	4	253.00	0.15	1.00	151.80		
							220.11	**11032.48**	**2428359.00**
	Basic Rate	10408.00							
	Area Weightage 6%	624.48							
	Grand Total	11032.48							
7	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17								
	for RCC drains 65 kg/cum	**Quintal**	0.650	**220.11**			143.07		
				220.11			**143.07**	**6445.54**	**922173.00**
	Basic Rate	6080.70							
	Area Weightage 6%	364.84							
	Grand Total	6445.54							
8	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge.								
		sqm	2	253.00	0.90		455.40		
							455.40	**2100.00**	**956340.00**
	Rate Approved by BBMP	**2100.00**							
9	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Page No. 19/ Item No. 4.48/ SR 2016-17								
	for cc road	**Cum**	1	440.00	3.00	0.15	198.00		
	LBS nagara		1	120.00	3.00	0.15	54.00		
	drain edge		2	253.00	0.30	0.15	22.77		
			3	91.00	3.00	0.15	122.85		
							397.62	**6231.74**	**2477864.00**

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Basic Rate	5879.00							
Area Weightage 6%	352.74							
Grand Total	6231.74							
Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. Page No 177 Item No 22.7 SR 2016-17								
	Sqm	1	440.00	3.00		1320.00		
		1	120.00	3.00		360.00		
		3	91.00	3.00		819.00		
						2499.00	**95.40**	**238405.00**
Basic Rate	90.00							
Area Weightage 6%	5.40							
Grand Total	95.40							
Providing groove cutting for width of 5mm to 100m depth 80mm-100 including cost of cutting machine, generatoe & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot birumen fillars, and filler metal etc., including cost of conveyance of all materials,. Labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. do- for concrete pavement Item no 22.8.1 Page No 178 SR 2016-17								
for cc road	**Rmt**	120	3.00			360.00		
		45	3.00			135.00		
		100	3.00			300.00		
						795.00	**121.90**	**96911.00**
Basic Rate	115.00							
Area Weightage 6%	6.90							
Grand Total	121.90							
Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size **450x200x400 mm** and finished with CM 1:3 plastering and finishing cutting etc., complete. Page No. 28/ Item No. 5.29/ PWD SR 2016-17								
Ambedkar nagara	**Nos**	2	253.00			506.00		
missing covering slabs at LBS Nagara						25.00		
						1124.44		
						1149.44	**385.84**	**443502.00**
Basic Rate	364.00							
Area Weightage 6%	21.84							
Grand Total	385.84							
KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Item No 15.80								
	Sqm	2	180.00		0.40	144.00		
		2	253.00		0.40	202.40		
						346.40	**27.56**	**9547.00**
Basic Rate	26.00							
Area Weightage 6%	1.56							
Grand Total	27.56							

Sl. No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 15-19.2 : Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Item No 15.81								
		Sqm	2	180.00		0.40	144.00		
			2	253.00		0.40	202.40		
							346.40	**69.96**	**24234.00**
	Basic Rate	66.00							
	Area Weightage 6%	3.96							
	Grand Total	69.96							
								Total	**9899288.00**
	Third Party Inspeciton 1%								**98992.88**
	Miscellaneous charges								**1719.12**
									10000000.00

(Rupees One Crore Lakhs Only)

CERTIFICATE

1) The work spot has been inspected and the work is found necessary.
2) The estimate is prepared as per C.S.R. of 2016-17
3) The provisions were made in this estimate are necessary and adequate.
4) The works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Project Division, Yelahanka Zone
Bangalore-64

Executive Engineer
Project Division, Yelahanka Zone
Bangalore-64
5/3/18

Administrative Approval

Accorded For Rs. 100.00 Lakhs.
Head of A/C P-18.78
CER NO : 30 **Dt:** 18/02/19

E.E. (Project) 18/2

Technical Sanction

Accorded For Rs. 100.00 Lakhs.
Head of A/C P-18.78
CER NO TS/1841/17-18 **Dt:** 13.03.2018

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CE (YNK)